From glowbugs@theporch.com Fri Dec 6 10:55:16 1996
Return-Path: <glowbugs@theporch.com>
Received: from uro (localhost.theporch.com [127.0.0.1])
          by uro.theporch.com (8.8.4/AUX-3.1.1)
          with SMTP id KAA06020;
          Fri, 6 Dec 1996 10:37:15 -0600 (CST)
Date: Fri, 6 Dec 1996 10:37:15 -0600 (CST)
Message-Id: <199612061637.KAA06020@uro.theporch.com>
Errors-To: ws4s@infoave.net
Reply-To: glowbugs@theporch.com
Originator: glowbugs@theporch.com
Sender: glowbugs@theporch.com
Precedence: bulk
From: glowbugs@theporch.com
To: Multiple recipients of list <glowbugs@theporch.com>
Subject: GLOWBUGS digest 374
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas
X-Comment: Please send list server requests to listproc@theporch.com
Status: O

GLOWBUGS Digest 374

Topics covered in this issue include:

Date: Thu, 5 Dec 1996 17:05:52 +0000
From: Bob <KE4QOK@worldnet.att.net>
To: u856010@eastman.com
Cc: glowbugs@theporch.com
Subject: Re: Drilling round holes in thin sheet metal.
Message-ID: <19961205170545.AAB8551@LOCALNAME>

At 02:45 PM 12/5/96 +0000, you wrote:

>There is another tool called a "fly cutter" that can be used in a drill
>press. I consider these an _extreme_ hazard and would NEVER suggest one
>be used. With any drilling or cutting of metal, please remember to wear
>safety glasses as those fine metal chips can ruin an eyeball rather
>quickly.

I agree, Barry. The fly cutter has absolutely no place in the home shop.
Even in a machine shop with trained machinist it is probably the most
damgerous way to create a hole, short of using dynamite.

AND PLEASE use those safety glasses when in the shop all the time. No
matter what you are doing. It only take one freak/fluke/it'll never happen
to me event to ruin the whole rest of your life.

Sorry about the bandwidth here, but after having to pick up one of my
co-workers fingers off the floor and carry it to the hospital for
re-attachment I have become very aware of the need for safe work habits.

****
****
73 es TNX   Real radios glow in the dark.
KE4QOK   Power is no substitute for skill.
Bob   If it stayed up last winter, it was too small.

136 Hermitage Rd.
Newport News, Va. 23606 KE4QOK@worldnet.att.net [try here first]
(757)930-0348 bob.roach@sourcebbs.com
****
****

Date: Thu, 5 Dec 1996 10:31:25 -0700
From: jeffd@coriolis.com (Jeff Duntemann)
To: glowbugs@theporch.com
Subject: Flycutters
Message-ID: <1.5.4.32.19961205102534.009761b8@ntserver.coriolis.com>

Hi gang--

When my father-in-law died I inherited his entire (massive) tool collection, including a couple of fly cutters. I've never used them, and never considered them as *hole* cutters, but more like lightweight face mills.

So...what's their "danger mode?" I'm kind of guessing it's about kicking chips off at high speeds--but please let me (and all of us) know.

--73--

--Jeff Duntemann KG7JF
Scottsdale, Arizona

Date: Thu, 05 Dec 1996 11:08:32 -0700
From: "Terry L. Dobler" <kj7f@micron.net>
To: glowbugs@theporch.com
Subject: Re: Flycutters
Message-ID: <2.2.32.19961205180832.002c5404@pophost.micron.net>

Gang,

>Flycutters<
This is a term I am not familiar with. Would some one please give a description?

Terry KJ7F

Date: Thu, 5 Dec 1996 12:18:50 -0600
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
To: glowbugs@theporch.com
Subject: OA2
Message-ID: <v01540b01aeccc1ab7401@[157.142.56.166]>

Hi,

Does anyone have the data or substitutions for an OA2 handy? I'm at work trouble-shooting a power supply, but I don't have any of my tube books with me. My little tube checker doesn't list it in its manual. I think that it functions as a diode in the circuit.

Thanks,
Mike N5JKY

Date: Thu, 5 Dec 1996 17:47:35 +0000
From: Bob <KE4QOK@worldnet.att.net>
To: jeffd@coriolis.com
Cc: glowbugs@theporch.com
Subject: Re: Flycutters
Message-ID: <19961205174729.AAB671@LOCALNAME>

At 05:32 PM 12/5/96 +0000, you wrote:

>considered them as *hole* cutters, but more like lightweight face mills.
>
>So...what's their "danger mode?" I'm kind of guessing it's about kicking
>chips off at high speeds--but please let me (and all of us) know.
>
Hi Jeff,

There is a danger of hot, sharp, and fast flying chips, but the biggest danger for the average Joe (sorry to all of the Joe's out there) is that the cutter may dig in and through the whole job off the table damaging or destroying everything in it's path including flesh and bones.

****
73 es TNX   Real radios glow in the dark.
KE4QOK   Power is no substitute for skill.
Bob   If it stayed up last winter, it was too small.
136 Hermitage Rd.

Newport News, Va. 23606   KE4QOK@worldnet.att.net   [try here first]
(757)930-0348   bob.roach@sourcebbs.com
****
****

Date: Thu, 05 Dec 1996 13:32:23 EST
From: sigcom@juno.com (Stephen M Smith)
To: glowbugs@theporch.com
Subject: 6AR6 results.
Message-ID: <19961205.070016.8287.1.sigcom@juno.com>

Group,

I tested my two 6AR6s in The Scrounger with good results. The maximum power output was 5.5 Watt, comparable with the 6Y6 in tuning and loading. This is with 220 Volts on the plate, key down. I didn't measure the plate current, but I assume that it's around 45 ma or so, considering the output power. Nice tube for a power oscillator.

73.......Steve, WB6TNL

Date: Thu, 5 Dec 1996 14:18:22 -0500 (EST)
From: John D Young <jdy@whitney.ufl.edu>
To: Mike McShan <wmcshan@rex.re.uokhsc.edu>
Subject: Re: OA2
Message-ID: <Pine.LNX.3.91.961205141424.4743A-100000@whitney.ufl.edu>

Mike
     It is a cold cathode voltage regulator tube. common values were 90v 105v and a couple higher. Don't have my books at work either but with those tubes look for the nice soft glow. and check the voltage across the two elements. if it is 90 or 105 (whichever is correct for 0A2) then it is working. think of it as a highvoltage zener diode.

good luck
73/72
John   WA8KNE

On Thu, 5 Dec 1996, Mike McShan wrote:

> Hi,
>

> Does anyone have the data or substitutions for an OA2 handy? I'm at work
> trouble-shooting a power supply, but I don't have any of my tube books with
> me. My little tube checker doesn't list it in its manual. I think that it
> functions as a diode in the circuit.
>
> Thanks,
> Mike N5JKY
>
>

Date: Thu, 5 Dec 1996 13:33:02 -0600
From: wmcshan@REX.RE.uokhsc.edu (Mike McShan)
To: glowbugs@theporch.com
Subject: Thanks
Message-ID: <v01540b04aeccd30688fe@[157.142.56.166]>

Thanks to all who responded to my question about the OA2. I checked the
voltage and it's (actually both are) working fine... Turns out that a 6L6
was the culprit - I swapped one from an identical supply and the problem
was solved. Now I have to find a tube vendor that takes a university P.O.

Thanks and 73,
Mike N5JKY

Date: Thu, 5 Dec 1996 15:23:37 -0500 (EST)
From: "Barry L. Ornitz" <u856010@eastman.com>
To: Conard Murray <ws4s@infoave.net>
Cc: Glowbugs Mailing List <glowbugs@theporch.com>
Subject: Re: fly cutter, and other means of making large holes
Message-ID: <Pine.ULT.3.91.961205145543.21390A-100000@dua150.kpt.emn.com>

On Thu, 5 Dec 1996, Conard Murray wrote:

> I will confess my ignorance here .... just what is a fly cutter? Sounds more
> dangerous than a fly swatter, for sure.

Conard,

This is a tool more properly used in a milling machine. Imagine a
conventional hole saw to begin. There is a centering drill with a
circular device to hold saw blades a fixed distance away from the center.
In a fly cutter, there is also a centering drill. Perpendicular to the

drill is a square bar. On this bar, a cutting tool is slid, being held in place with a wing nut or such. By sliding the cutting tool in or out, you can adjust the diameter of the big hole to be cut. In a milling machine, with everything held rigidly, they work well, but even here the work needs to be tightly clamped in place.

In a drill press, and especially with a hand drill, it is difficult if not impossible to hold the assembly such that the cutting tool cuts evenly as it rotates. A lot of force is placed on the center drill and it is not uncommon for them to break. It is also easy to have the cutting tool bind and snap off. You can see these effects with a conventional hole saw, but they are far worse here. Just like when a conventional drill has ALMOST broken through, all sorts of binding occurs just before the cutting tool breaks through.

The sad thing is that you see these tools sold in many hardware stores with little or no warning about how rigidly the tool needs to be held to work. With a good drill press, and some skill, and LOTS of attention to safety, they do work. In a hand drill, you are asking for probems, or more bluntly - asking to be HURT.

Chassis punches and the new bimetal hole saws are pretty good for amateur use. Your method of drilling lots of small holes and filing out the final hole size also works. For really large round holes, like those needed for large meter movements, this is about all you can do at home. If you know someone who is an industrial electrician, however, you may be able to borrow a large set of conduit punches. Greenlee makes a good one, with a hydraulic driver, but the price is far more than can be justified for home use. For making holes for conduit in large electrical boxes, which are a fairly heavy gauge of steel, they cannot be beat.

I deleted Conard's comments about building on wood in open construction. Printed circuit board laminate also makes a good foundation and it gives you an "instant" ground plane. While not too difficult to machine at home, printed circuit laminate using glass epoxy dulls your tools mighty fast. You can often find reject printed circuit board, or edge trimmings from a laminator (usually noted by being long and narrow with possibly a discoloration over half the copper) at a hamfest inexpensively.

73, Barry L. Ornitz WA4VZQ ornitz@eastman.com

Date: Thu, 5 Dec 1996 13:29:46 +0000
From: "Brian Carling" <bry@mnsinc.com>
To: glowbugs@theporch.com
Subject: Re: Drilling round holes in thin sheet metal.
Message-ID: <199612052126.QAA15360@user2.mnsinc.com>

HEY! It's a reply from AF4K!

And WATCH YOUR FINGERS TOO guys!
I can attest that POWER TOOLS MAIM!!

I WAS wearing safety glasses when I ran a circular saw over my fingers and cut them to the bone in 1982 requiring 45 stiitches, 4 hours of plastic surgery etc. etc.

ALWAYS THINK about what MIGHT happen in a worst case scenario, such as - the tool BINDS in some way, or slips etc. I have worked with electric power tools all of my life and never had any accidents until I was 32 years old. My body still bears tha scars! I was luckier than some folks are that have accidents with these monsters.

You will never get me near a circular saw again for anything!

NOT any fun!

On 5 Dec 96, Bob wrote:

> At 02:45 PM 12/5/96 +0000, you wrote:
>
> >There is another tool called a "fly cutter" that can be used in a
> >drill press. I consider these an _extreme_ hazard and would NEVER
> >suggest one be used. With any drilling or cutting of metal, please
> >remember to wear safety glasses as those fine metal chips can ruin
> >an eyeball rather quickly.
>
>
> I agree, Barry.   The fly cutter has absolutely no place in the home
> shop. Even in a machine shop with trained machinist it is probably
> the most damgerous way to create a hole, short of using dynamite.
>
> AND PLEASE use those safety glasses when in the shop all the time.
> No matter what you are doing. It only take one freak/fluke/it'll
> never happen to me event to ruin the whole rest of your life.
>
> Sorry about the bandwidth here, but after having to pick up one of
> my co-workers fingers off the floor and carry it to the hospital for
> re-attachment I have become very aware of the need for safe work
> habits.
>
> **
> ******** ** 73 es TNX
>   Real radios glow in the dark. KE4QOK

                      Power is no
> substitute for skill. Bob   If it stayed up last winter, it was
> too small. 136 Hermitage Rd.   Newport News, Va.
> 23606   KE4QOK@worldnet.att.net   [try here first]
> (757)930-0348   bob.roach@sourcebbs.com

> **
> ******** **
>
>
****
*** Visit the WASHINGTON LITTLE CAPITALS Web Site: *
*   http://www.mnsinc.com/bry/litlcaps.htm   *
*** E-mail: litlcaps@juno.com   *
****

Date: Thu, 5 Dec 1996 15:25:05 -0600
From: bill@skeeter.frco.com (William Hawkins)
To: jeffd@coriolis.com
Cc: glowbugs@theporch.com
Subject: Re: Flycutters
Message-ID: <9612052125.AA17266@skeeter.frco.com>

Gee, a flycutter provided some real excitement in my young life, before
I got some hole punches. There wasn't anything else that would cut a
meter hole, though. There I was, pressing down on the drill press handle,
wondering if it would ever finish, when the bit broke through and caught
in the remaining metal. The drill press did not stop, so the chassis
was ripped out of my hand and spun around. Letting up on the handle just
raised the spinning chassis. After that, I used C clamps to hold the
work in place. Don't have a drill press, now, or a flycutter.

One of the tricks was to grind the bit so that more metal was taken
from the outer edge than the inner. Then the outer edge breaks thru
first, in a more controlled fashion. Makes a cleaner hole, too.

Regards,
Bill Hawkins

Date: Thu, 5 Dec 1996 16:07:44 -0600 (CST)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Jeff Duntemann <jeffd@coriolis.com>
Cc: Multiple recipients of list <glowbugs@theporch.com>
Subject: Re: Flycutters

Message-ID: <Pine.ULT.3.95.961205160352.3279C-100000@admin.aurora.edu>

On Thu, 5 Dec 1996, Jeff Duntemann wrote:

> When my father-in-law died I inherited his entire (massive) tool collection,
> including a couple of fly cutters. I've never used them, and never
> considered them as *hole* cutters, but more like lightweight face mills.
> So...what's their "danger mode?" I'm kind of guessing it's about kicking
> chips off at high speeds--but please let me (and all of us) know.

I have always used a fly cutter for meter and speaker holes. I always
use an old fashioned hand brace type of drill - never a drill press.
I suppose that if you try a drill press and can get ity to go slow
enough, it would work OK. The danger would be when the cutter breaks
thru the material and grabs the work. Even if the work were secured
somehow, there would still be the danger of breaking off the cutter.
Also, I always keep oil in the groove as it cuts thru. I generally
cut most of the way thru the panel from one side, then flip it over to
finish. Makes a neater hole that way, requiring less filing afterwards.

        E-mail broehrig@admin.aurora.edu   73 de Bob, K9EUI
            CIS: Data / Telecom   Aurora University, Aurora, IL
                      630-844-4898 Fax 630-844-5530

Date: Thu, 05 Dec 1996 17:01:44 -0600
From: Dan Kerl <dlkerl@ro.com>
To: glowbugs@theporch.com
Subject: Re: Flycutters
Message-ID: <32A75458.4783@ro.com>

Bob Roehrig wrote:
>
> On Thu, 5 Dec 1996, Jeff Duntemann wrote:
>
> > When my father-in-law died I inherited his entire (massive) tool collection,
> > including a couple of fly cutters. I've never used them, and never
> > considered them as *hole* cutters, but more like lightweight face mills.
> > So...what's their "danger mode?" I'm kind of guessing it's about kicking
> > chips off at high speeds--but please let me (and all of us) know.

I think there's a confusion of terms here. I've seen things
sold as fly cutters that are a milling-type of tool. I think
that the tool being discussed here is a thing with an adjustable
arm that revolves around a central shaft (the central shaft having
a pilot drill that references the tool to the workpiece. The

outside end of the arm has a cutter that is oriented perpendicular
to the workpiece. I don't know the canonical term for either tool.

>
> I have always used a fly cutter for meter and speaker holes. I always
> use an old fashioned hand brace type of drill - never a drill press.
> I suppose that if you try a drill press and can get ity to go slow
> enough, it would work OK. The danger would be when the cutter breaks
> thru the material and grabs the work. Even if the work were secured
> somehow, there would still be the danger of breaking off the cutter.
> Also, I always keep oil in the groove as it cuts thru. I generally
> cut most of the way thru the panel from one side, then flip it over to
> finish. Makes a neater hole that way, requiring less filing afterwards.
>
>   E-mail broehrig@admin.aurora.edu   73 de Bob, K9EUI
>   CIS: Data / Telecom   Aurora University, Aurora, IL
>   630-844-4898 Fax 630-844-5530

I've had pretty good luck with these things in a drill press
for cutting holes in speaker cabinet materials (plywood,
masonite, mdf, etc.). I've also used them to cut holes in
sheet aluminum, although I'm less comfortable doing this (feed
pressure is critical - any tendency to rush the job will
usually cause a grab). 6061-T6 alloy (free machining aluminum)
shows less of a tendency to do this. I haven't tried mild
steel.

A few shop rules I use (YMMV):

1. Always watch what you are doing. (while this seems obvious,
   a very large percentage of shop injuries that I'm familiar
   with occurred when the tool operator got distracted).

2. Wear eye protection that doesn't impede vision. Make sure
   there's enough light.

3. Beer and power tools don't mix.

4. Always check tools for tightness (chuck, table and other
   adjustments).

5. Secure workpiece (c-clamps work pretty well).

6. Never wear any longsleeve garment with baggy or loose
   fitting sleeves (a fly cutter can really nail you this
   way generally resulting in loss of limb).

7. Use tools in good condition (a dull fly cutter is much

more prone to grab the workpiece).

8. Select the appropriate speed for the tool in use (I use
   the slowest speed on my press for the fly-cutter).

9. Fatigue and power tools don't mix. (increases chances
   that the other rules will be overlooked).

10. Control shop distractions (kids, etc.).

11. Never use a tool in an inappropriate machine (such as
    a fly-cutter in an electric hand drill).

When I'm cutting a hole in plywood, I also use Bob's
technique of making a partial cut on one side, then fliping
the workpiece over and finishing the hole from the other
side, using the pilot hole as a reference point. This
generally results in a clean hole on both faces.

-Safety First-
Dan Kerl
dlkerl@ro.com

Date: Thu, 05 Dec 1996 17:05:59 -0600
From: Conard Murray <ws4s@InfoAve.Net>
To: glowbugs@theporch.com
Subject: Listowner changing ISP
Message-ID: <2.2.32.19961205230559.0068882c@infoave.net>

Hello everyone,
Season's Greetings to all!
I have changed my ISP and my new e-mail address is:

ws4s@infoave.net

so please make a note of it wherever you keep such valuable information.
Remember the Glowbug net on 3579.545 as much as possible. I would really
like to hear more homebrew stuff on the net. Too many darn commercial
appliance operators with their Vikings, Globes and WWII rigs on there to
suit me! :^)
Let's all plan to give SKN a try on the 31st. If you don't have a straight
key, Bry is offering classes in sending code with clip leads. If you don't
have clip leads, then you are in the wrong place!
If anybody wants a good deal on a 6AG7 or a few dozen 6AL5, 6AK5,5U4,6Y6 or
6AS7 etc. send me a note.
73 to all and to all a good night....

Z U T
de Conard WS4S

Conard Murray WS4S NNN0UTN WDX4CQ ex KA4JEC AFA2JZ RC196 Glowbugs Listowner
217 Dyer Avenue, Cookeville, TN 38501 615-526-4093
ws4s@infoave.net
<>< Wise men still seek Him ><>

Date: Thu, 05 Dec 1996 20:03:20 +0000
From: "Lawrence R. Ware" <lrware@pipeline.com>
To: boatanchors@theporch.com, vss@mlist.access.digex.net,
Subject: Larry's fourth day of Christmas free stuff list.
Message-ID: <1.5.4.16.19961205200320.3887536a@pop.pipeline.com>

Good evening BA, glowbug and VSS fans:
It's time for "Larry's fourth day of
Christmas," part four of a 12 part giveaway between now and Christmas.
Tonight I'm posting this to "glowbugs" and "VSS," as well as BA
because some of this junk, (errr, *Great Stuff*) might come in
handy to my QRP builder, and vintage sand-state friends too.

So without further ado...
Welcome to Larry's "Fourth Day of Christmas" free stuff giveaway.
Tonight for your perusal, the following items are available
free to good BA, VSS, or glowbugs homes. You get to pay the shipping.

(No takers on this one from last time, so well give it one more try.)
Lot One: (courtesy of Robert Fowle, the Hammerlund guy, who donated
these to the cause.)
Collection of Hallicrafters paper. Service data for the following
models: CR-3000 receiver, CRX-103 receiver, CR-50 RDF receiver,
FM-46,48,52 & 54 receivers, CR-44 & CR-44A RDF receivers.
Each includes specs, dial cord stringing, schematic, parts locator,
alignment data, etc.

(These are repeats also, they were very popular, so I went down
to the local junk shop and bought some more!)

Lot Two:
New EBY ceramic HC-6U crystal sockets. Perfect for that glowbug project.
I have some more of these, one or two per request while they last.

Lot Three:
New EBY "six-pack" HC-6U crystal sockets. These are for six crystals
in a line with separate connections for each pin. Could be used
for crystal filter project, or with a switch for a six freq. project.
Appear to be made of some kind of thermoplastic resin, not Bakelite.
I have two more sets of these so one per request please.

Lot Four:
Stack of nice silk screened LM-317 (TO-3) varible output
power supply PCB's. With the right parts and a heat sink good for
up to 5 amps DC. Great for power supply builders, or regulated DC
on your firebottle filiments. About 2.5 X 2.9 inches, everything
but the transformer goes on the board. These are raw PCB's only,
(no components on board.) Limit two per request, while they last.
(These were very popular also, so I went out and dug up
lots more! :-)

(Now on to some new stuff :-)

Lot Four:
Seven assorted crystal sockets for *OLD* crystals. These are quite a
bit larger than the FT-243 type. Not sure what the holder would be
called. Three ceramic, four Bakelite. One per request while they last.

Lot Five:
One set only lighthouse tubes and connectors for the HP 608 sig. gen.
Believe these are from a "C" model, untested, but believed to
be good. If you own a working HP 608, now is your chance to get
a spare set of mod. and output tubes!

Thats going to do it for now, Keep your eyes open for parts
five to twelve as we march towards the Christmas season...
<Is it really December already?>

For the benefit of the "glowbugs," and "VSS" folks, (most of the
BA folks have seen these a bunch of times) here are the rules:

Winners will be determined by:
1) Tell me why you need/want them, points awarded for:
  a) Repairing or building a firebottle, or VSS rig.
  b) Needing them to complete a project.
  c) Buying for someone your "Elmer-ing"
  d) For old manuals/documents owning the radio or whatever.
  e) *Making up an outrageous story of what you will use them for. :-)
        * For item "d" the taller and more unbelievable the better...
Storys about Atlantis, Tesla, Los Angles, or alien argonaughts from

Atlantis who helped Tesla when they met him in LA, are always good for extra points.

2) Bonus points to anyone who has sent me a manual, helped me find a part, or provided advice, (good or bad, it's the effort that counts. :-) or sold me something at a reasonable price.

3) Double bonus points to anyone who has posted thoughtful technical comments to one of the lists recently. (For sale and WTB ads do get old.)

Winners will be determined any darn way I feel like.
Judges decision is final. (Although open to bribes :-)

-Larry

Larry's Home for Wayward Test Equipment & Old Radios (tm)
Let your equipment retire in sunny central Florida.
Intensive Care, Private Bench Space, Frequent Use,
Factory trained HP, Tek. & Fluke Surgeon on staff.
Good Home Guaranteed or double your junk back!
lrware@pipeline.com,   - Orlando, Florida -

Date: Thu, 5 Dec 1996 22:26:58 -0800 (PST)
From: SCN User <nwqrp@scn.org>
To: nwq-l@scn.org, ljbeedle@scn.org
Subject: Telephone Pioneers QSO Party
Message-ID: <Pine.3.89 SCN 1.0.9612052206.A10911-0100000@scn>

12/05/96

I was just mailed a message about a QSO party and was asked to post it. It is about the Wireless Pioneers QSO Party. I can't say whether or not there is a QRP category, but you contesters out there my be interested in finding out!

Telephone Pioneers QSO Party

From: ljbeedle@scn.org (unknown)
To: kv9x@scn.org

Subject: QSO Party
Date: Thu, 05 Dec

Brian

The Telephone Pioneers are having a QSO Party this coming weekend and I was contacted by WA0CQS to see if anyone would be interested in posting some information to help get the word out. It is the 32nd annual party, scheduled for December 7 and 8. All Telephone Pioneer hams are invited to participate. Doug Marsh can be contacted either via call sign or email dlmarsh@uswest.com or Russ Faudree on 284-0982 can provide further infomation.

Lois

Date: Fri, 06 Dec 1996 02:26:22 -0600
From: Conard Murray <ws4s@InfoAve.Net>
To: glowbugs@theporch.com
Cc: boatanchors@theporch.com
Subject: Dec 7 BA net idea
Message-ID: <2.2.32.19961206082622.0068f420@infoave.net>

Hey everyone,
Lets mark the anniversary of "the day that will live in infamy" by firing up our WWII rigs for the BA net on 3579.5 Saturday night. I will be there with the TCS and maybe an ARC-5/BC-348 combo.
See you there around 0200Z on to whenever....
de Conard, ws4s

Conard Murray WS4S NNN0UTN WDX4CQ ex KA4JEC AFA2JZ RC196 Glowbugs Listowner
217 Dyer Avenue, Cookeville, TN 38501 615-526-4093
ws4s@infoave.net

<>< Wise men still seek Him <><

Date: Fri, 06 Dec 1996 09:28:43 -0500
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>
To: glowbugs@theporch.com
Subject: Re: Telephone Pioneers QSO Party
Message-ID: <9612061428.AA29339@speckle.ncsl.nist.gov>

At 12:35 AM 12/6/96 -0600, you wrote:
>
>   I was just mailed a message about a QSO party
>
>   The Telephone Pioneers are having a QSO Party this coming weekend

  ...   All Telephone Pioneer
>   hams are invited to participate.

Do these guys use AM, International Morse, or Continental Morse?

-- Roy Morgan/Building 820, Room 562/Gaithersburg MD 20899
(National Institute of Standards and Technology, formerly NBS)
301-975-3254 Fax: 301-948-6213 morgan@speckle.ncsl.nist.gov --

----

End of GLOWBUGS Digest 374
****